

Weather



Photo by Rachel Colwell

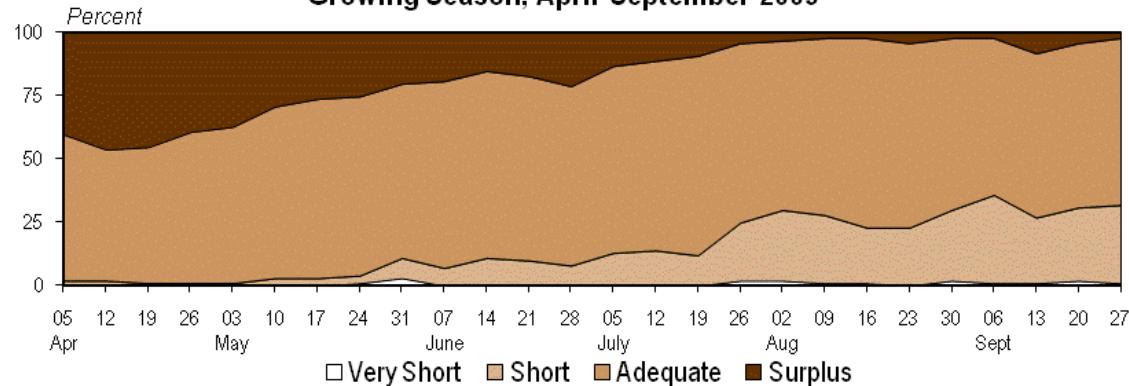
- Season Highlights & Averages
- Monthly Precipitation & Temperatures
- Long-Term Precipitation & Temperatures

Crop & Weather Data, 2009

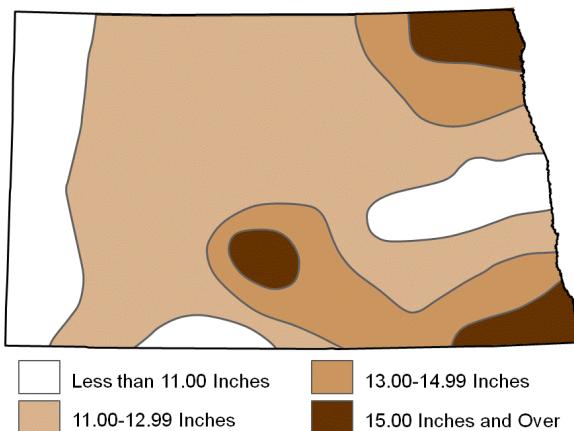
Growing Season Highlights

- ❖ During the last week of March, severe winter weather and flooding struck many areas of the state. Spring tillage and fieldwork for the 2009 crop year began on May 2, 17 days later than 2008 and 16 days later than the five-year (2004-2008) average.
- ❖ Planting was delayed by snow, rain and excess moisture throughout most of April and early May. Small grain planting began late in April, behind the previous year and average. It was also behind the average throughout the season which did not wind down until the second week of June. All other crop plantings started behind the average and the previous year.
- ❖ Crop condition ratings were mainly good to excellent throughout the growing season. June and July saw mostly below normal
- temperatures which slowed crop development further. As of July 26, all crop development was behind both the previous year and the average, except for potatoes blooming, due in part to the late planting.
- ❖ Small grain harvest began during the week ending August 9, two weeks behind the average. Harvest was delayed by waiting for the grain to fully ripen. All other crop harvest activity was delayed and behind the previous year and average. Corn harvested for grain on November 1 was 2 percent harvested compared with 49 percent on average.
- ❖ The 2009 crop year saw considerable moisture in the spring from snowmelt and rain. Across the state, topsoil and subsoil moisture supplies were rated mostly adequate to surplus throughout the season.

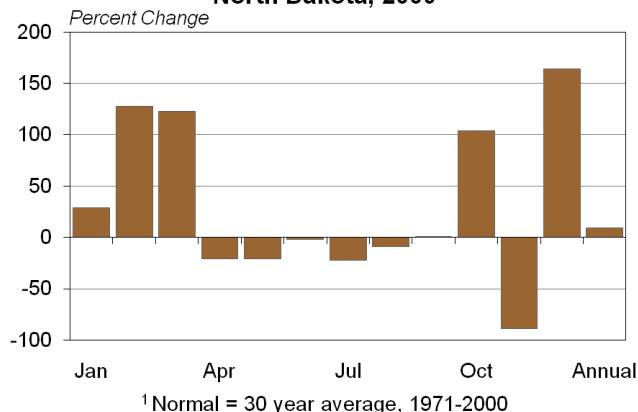
**Topsoil Moisture Supplies
Growing Season, April-September 2009**



**Growing Season Precipitation
April-September, 2009**



**Precipitation: Departure from Normal¹
North Dakota, 2009**



¹Normal = 30 year average, 1971-2000

Monthly Precipitation: North Dakota, 2009

Districts and Stations	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
	Inches												
Crosby	1.22	1.35	0.13	1.60*	0.32	2.03	3.65	3.33	T	1.77	T	0.73*	16.13*
Kenmare 1 WSW	2.58	1.63	0.52	1.04	0.40	1.75	3.56	2.80	1.54	2.27	0.04	1.12	19.25
Minot Intl AP	0.81*	0.59	0.76	1.16	1.43	1.69	1.89	2.09	4.36	1.94	T	0.57*	17.29*
Stanley 3 NNW	0.86	1.25	0.21	1.33	1.36	2.16	3.48	2.55	1.20	2.27	0.01	0.74	17.42
Wildrose 3 NW	1.27	1.69	0.08	1.94	0.62	2.98	2.21	2.93	0.54	1.80	T	0.76	16.82
Williston Sloulin Fld	0.90	1.40	0.06	1.04	0.68	2.08	3.31	2.30	0.37	1.17	0.02	0.48	13.81
NORTHWEST	1.28	1.18	0.41	1.32	0.83	2.02	2.63	2.69	1.60	1.80	0.01	1.06	16.83
Bottineau	0.66	1.11	0.68	1.44*	2.42*	1.38	2.82	1.55	1.75	2.43	0.05	0.99	17.28*
Drake 9 NE	0.61	0.91	2.53	1.03	3.26	2.13	1.57	0.75	1.56	2.20	0.08	1.68	18.31
Minnewaukan	0.16	0.92	1.04	1.31	1.89	3.31	1.14	1.90	3.19	2.66	0.09	0.89	18.50
Towner 2 NE	0.81	0.99	1.05*	0.47	1.64	2.07	1.32	1.26	2.12	2.26	T	1.09	15.08*
Upham 3 N	0.58	1.22	1.88	0.97	1.79	1.06	2.28	1.77	3.14	1.96	0.01	0.89	17.55
NORTH CENTRAL	0.65	0.98	1.35	1.14	2.52	2.00	1.70	1.44	2.07	2.71	0.03	1.02	17.61
Grand Forks Intl AP	0.27	0.91	2.17	1.24	1.29	3.55	0.86	3.17	0.78	2.61	0.29	0.69	17.83
Grand Forks Univ (NWS)	0.25	0.86	2.25	1.26	1.69	4.26	1.37	3.00	0.96	2.68	0.34	1.10	20.02
Hansboro 4 NNE	0.12	0.18	1.14	0.91	2.79	2.87	0.65	1.93	0.95	2.10	T	0.36*	14.00*
Langdon Exp Farm	0.19	0.65	0.93	1.63	2.59	4.81	3.46	1.53	2.44	1.91	T	1.08	21.22
Pembina	0.35	0.79*	1.42	1.12	4.15	4.83	1.64	2.08	3.53	1.26	0.11	0.80	22.08*
Petersburg 2 N	0.75*	0.60*	1.01	1.35	1.83	4.20	0.73	2.83	3.20	2.47	0.12	1.05*	20.14*
NORTHEAST	0.26	0.67	1.41	1.26	2.56	4.01	1.43	2.30	2.12	2.15	0.11	1.07	19.35
Center 4 SE	1.34	1.80	1.09	0.29*	3.04	2.55	3.56	0.65	1.48	1.68	0.05	1.71	19.24*
Dickinson Ranch HQ	0.31	1.07	0.96	1.49	2.47	3.84	3.18	0.95	1.15	1.95	0.00	0.46	17.83
Grassy Butte 2 ENE	0.65	0.92	0.30	0.96	1.44	2.61	2.31	2.07	1.10	2.55	0.02	1.55	16.48
Keene 3 S	0.89	1.22	0.06	1.05	0.78	2.34	3.85	3.11	0.90	2.18	0.00	1.20	17.58
Taylor 7 NNW	0.42	0.82	1.22	0.76	2.19	3.51	3.29	0.50	1.65	2.20	0.03	0.69	17.28
Underwood	1.16	1.08	1.05	0.80	2.88	3.09	2.53	1.11	0.81	2.48	T	1.49	18.48
WEST CENTRAL	0.89	1.11	0.79	0.91	2.30	2.98	2.88	1.43	1.31	2.23	0.01	1.07	17.91
Carrington 4 N	1.04	0.71*	1.20	1.77	1.78	1.85	1.56	2.32	2.24	3.60*	0.10	0.51	18.68*
Harvey 4 NE	0.00*	0.41*	0.80*	0.91*	2.14	2.18	1.59	1.80*	1.89	2.15*	0.00	0.00*	13.87*
Jamestown Municipal AP	0.21	0.70	1.59	1.17	0.85	1.39	1.11	1.27	2.50	3.25	0.15	0.26	14.45
McClusky	1.03	0.69	1.14	0.63	3.00	2.45	2.26	0.66	1.22	2.80	0.01	1.20	17.09
McHenry 3 W	0.77*	0.83	1.42	1.76	1.67	1.59	1.08	3.06	4.40	3.45	0.05	1.68	21.76
Steele 3 N	0.54*	1.14*	1.63	1.11	1.33	2.04*	2.81	0.66	1.12	3.58	0.04	0.63	16.63*
CENTRAL	0.76	0.79	1.57	1.19	1.61	2.43	1.79	1.71	2.21	3.35	0.04	0.84	18.29
Casselton Agronomy Frm	0.64	0.97	2.45	1.15	1.77	2.65	1.26	2.72	2.35	5.46	0.30	2.10	23.82
Cooperstown	0.44	1.17*	2.72	1.06	0.96	0.83	1.06	2.66	3.07	4.59	0.06	1.05	19.67*
Fargo Hector Intl AP	0.55	1.29	4.62	0.81	1.62	2.93	1.18	2.13	2.06	5.44	0.41	1.85	24.89
Mayville	0.37	1.00	2.84	1.48	1.68	1.86	0.86	2.99	1.13	4.67	0.29	1.56	20.73
Valley City 3 NNW	0.86	1.12	2.60	1.42	1.18	1.38	1.12	2.52	2.72	4.11	0.15	1.38*	20.56*
EAST CENTRAL	0.52	1.22	3.36	1.17	1.47	1.97	0.97	2.48	2.29	4.78	0.23	1.53	21.99
Bowman	0.27	1.82	3.34	0.81	1.28	2.94	2.21	1.70	0.96	2.30	0.08	1.56	19.27
Theodore Roosevelt AP	0.15	0.60	1.29	0.74	1.89	4.13	2.29	0.75	1.51	1.33	0.02	0.21	14.91
Hettinger Exp Station	0.26	1.77	3.13	1.10	1.38	3.54	2.20	3.47	0.37	2.34	T	1.95	21.51
New England	0.29	1.17	3.45	0.72	1.17	5.06	1.83	1.43	1.05	1.98	0.05	0.23	18.43
Richardson Abbey	0.22	1.29*	1.98*	0.59	2.05	3.09	2.82	0.53	1.67	2.08	0.00	1.95	18.27*
Trotters 3 SSE	0.28	0.25	0.52	1.33	1.74	2.20	2.20	1.89	0.54	2.08	0.01	1.08	14.12
SOUTHWEST	0.29	0.99	2.22	0.84	1.68	3.59	2.42	1.67	1.04	1.91	0.01	1.08	17.74
Bismarck 5 NNW	0.94	0.96	3.00	0.90	2.22	6.76	3.05	1.33	1.77	2.73	0.06	1.36	25.08
Bismarck Municipal AP	0.83	0.78	2.73	0.69	2.02	7.94	3.15	0.58	1.24	2.21	0.04	0.91	23.12
Flasher	0.71	1.26	3.38	0.87	1.76	4.07	2.49	1.03	0.97	2.20	0.03	3.26	22.03
Heart Butte Dam	0.61	1.33*	1.54	0.56	1.99	2.75	2.29	0.71	0.65	2.33	0.03	1.10	15.89
New Salem 5 NW	0.55	1.01	2.18	0.76	3.00	3.40	3.52	0.77	1.15	2.15	0.01	1.72	20.22
Pretty Rock	0.28	2.07	3.07	0.79	1.49	3.71	3.00	0.89	0.95	1.95	T	0.74	18.94
SOUTH CENTRAL	0.69	1.48	2.75	0.90	2.05	4.72	3.16	1.05	1.16	2.53	0.03	1.49	22.01
Ashley	0.20	1.11	1.57	1.51	1.08	2.89	2.71	2.75	1.84	4.52	0.04	1.13	21.35
Enderlin 2 W	0.00*	1.10	0.97*	1.15	1.62	3.16	2.32	3.22	3.23	4.32*	0.50	M	M
Forman 5 SSE	0.48	0.64	1.62	1.24	1.21	7.79	2.23	2.31	2.83	4.91	0.55	1.25	27.06
Fullerton 1 ESE	0.87*	1.27	3.06	1.28	1.05	4.13	2.91	3.22	2.40	4.55	0.10	1.50*	26.34*
McLeod 3 E	0.79	1.01	3.44*	0.61	1.88	6.35	1.10	2.92	1.60	5.52	0.36	2.11	27.69*
Napoleon	0.58	1.51	3.32	1.65	1.11	3.85*	3.28	1.35	1.08	3.74*	0.02	1.73	23.22*
SOUTHEAST	0.59	1.02	2.39	1.22	1.52	4.53	2.42	2.70	2.15	4.76	0.27	1.24	24.81
STATE	0.66	1.05	1.81	1.11	1.84	3.14	2.16	1.94	1.77	2.91	0.08	1.16	19.63

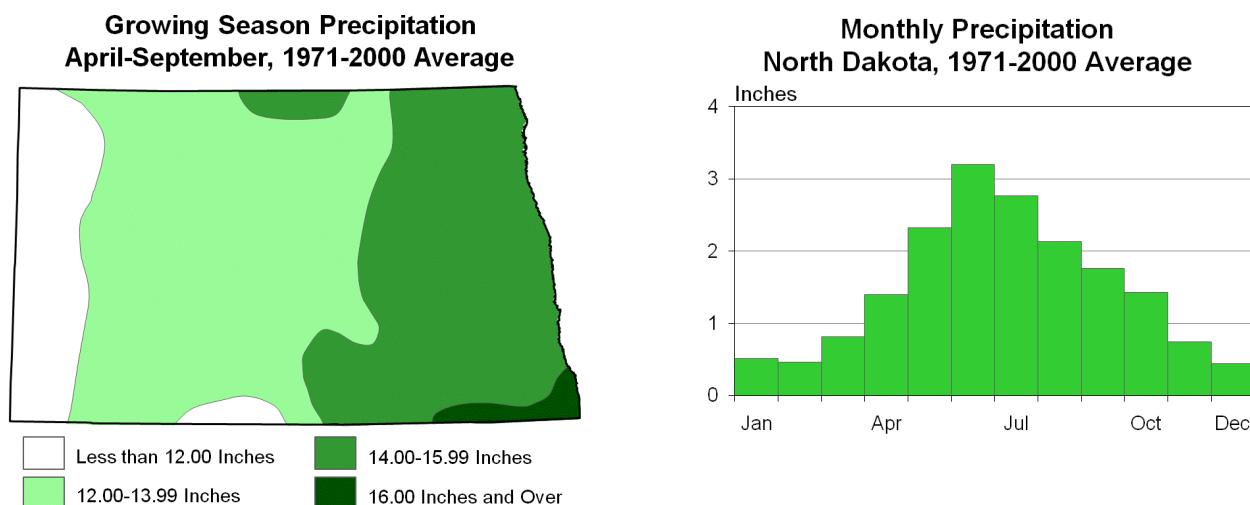
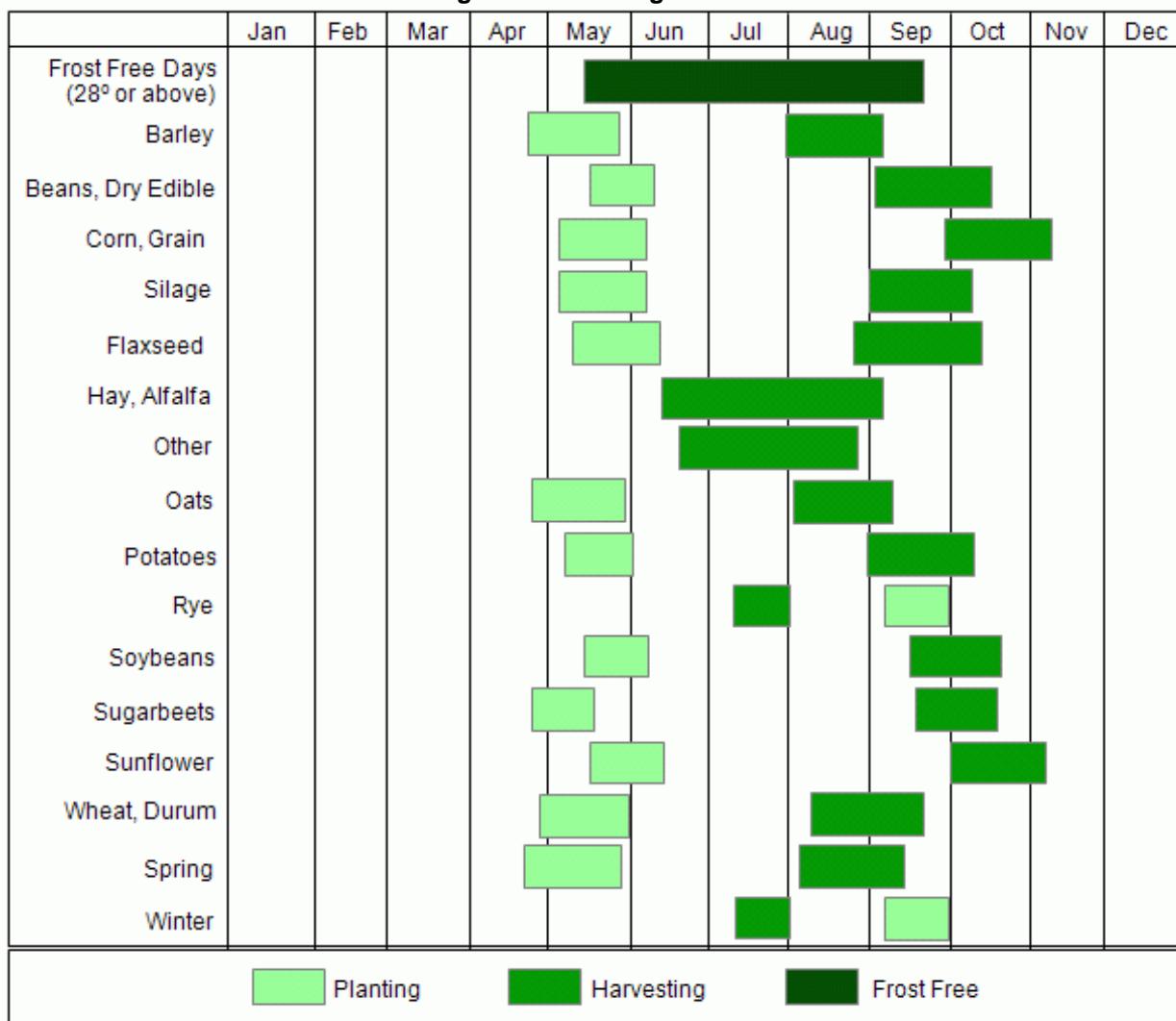
Source: National Climatic Data Center. * = Partially estimated. T = Trace. M = Missing.

16 Temperature

Monthly Temperature: North Dakota, 2009

Districts and Stations	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Crosby	6.1	8.2	18.8	40.5	53.4	61.6	63.6	64.6	64.2	37.6	36.0	4.1	38.2
Kenmare 1 WSW	3.2	9.2*	17.9	39.5	49.3	61.5	63.0	62.2	62.9	36.6	36.0	4.4	37.1*
Minot Intl AP	6.9	10.9	19.9	40.3	52.2	61.5	65.2	66.2	64.8	39.0	38.5	8.3	39.5
Stanley 3 NNW	2.9	8.0	15.6	37.6	49.0	59.0	61.8	62.4	62.0	35.8	34.5	4.0	36.1
Wildrose 3 NW	2.3	7.1	14.5	37.7	50.2	59.4	62.5	62.1	61.9	36.0	34.1	2.8	35.9
Williston Sloulin Fld	7.8	10.0	20.6	41.4	51.9	60.8	65.9	65.3	64.3	38.0	35.6	5.8	39.0
NORTHWEST	4.6	9.2	18.0	39.6	51.2	61.0	64.0	64.3	63.5	37.4	35.9	5.3	37.8
Bottineau	-0.9	7.4	14.0*	37.9	48.9	60.6	63.7	63.8	63.7	37.8	34.2	4.4	36.3*
Drake 9 NE	-0.2	7.3	15.7	36.4	50.4	61.1	65.1	64.9	64.7	39.0	36.5	6.2	37.3
Minnewaukan	-0.7	7.7	15.8	37.2	49.1	60.3	63.8	63.8	63.8	38.2	34.9	5.9	36.7
Towner 2 NE	-1.6	5.3	14.3	35.7	49.8	60.3	64.3	63.6	63.6	38.3	35.0	4.2	36.1
Upham 3 N	-1.1	6.3	15.3	38.3	50.8	62.0	64.0	64.0	62.7	38.1	33.6	5.5	36.6
NORTH CENTRAL	-0.7	6.7	15.0	36.9	49.6	60.1	63.4	63.8	63.3	38.3	34.4	4.8	36.3
Grand Forks Intl AP	-1.1	8.7	21.3	40.1	50.8	62.1	65.5	64.9	64.2	39.9	35.9	6.9	38.3
Grand Forks Univ (NWS)	0.1	9.4*	21.3	39.7	50.6	62.4	65.3	64.7	64.1	39.4	36.7	7.4	38.4*
Hansboro 4 NNE	0.5	8.0	15.3	37.0	48.7	61.3	63.9	63.6	63.4	37.6	34.5	5.7	36.6
Langdon Exp Farm	-3.3*	4.8	14.3	35.0	47.4	59.5	62.8	62.5	62.8	36.7	33.8	3.4	35.0*
Pembina	-4.5	6.0	17.1	37.5	47.7	61.4	63.6	63.2	63.3	38.2	34.5	5.1	36.1
Petersburg 2 N	-2.6	6.2	16.0	37.0	49.9	61.4	64.6	64.0	63.2	37.7	34.6	5.5	36.5
NORTHEAST	-2.1	6.8	17.2	37.7	49.4	61.3	64.3	63.8	63.6	38.3	34.9	5.5	36.7
Center 4 SE	9.3	13.7	21.8	40.7	52.7	60.9	65.8	65.7	64.7	38.2	38.3	9.5	40.1
Dickinson Ranch HQ	10.6	14.1	22.2	39.8	51.4	59.5	64.8	64.6	62.7	36.8	37.3	7.9	39.3
Grassy Butte 2 ENE	12.5	14.9	25.0	41.4	52.6	59.4	64.5	65.1	64.2	37.0	37.5	7.3	40.1
Keene 3 S	8.1	12.8	23.2	41.5	53.3	60.8	64.2	65.8	65.5	38.2	38.1	6.0	39.8
Taylor 7 NNW	12.2	13.7	24.1	39.3	53.2	59.5	63.4	65.3	64.4	38.4	37.5	8.8	40.0
Underwood	3.7	10.4	16.9	38.3	51.1	61.2	64.6	64.5	64.0	37.5	36.7	8.2	38.1
WEST CENTRAL	7.1	12.5	20.7	39.7	52.0	60.3	64.8	65.1	64.3	38.0	37.3	8.1	39.2
Carrington 4 N	0.9	10.6*	18.4*	39.0	51.3	61.5	65.2	65.1	63.8	38.5	36.5	7.8	38.2*
Harvey 4 NE	-0.7	5.2	16.8	37.7	51.7	60.7	64.3	64.5	63.8	37.8	34.9	6.3	36.9
Jamestown Municipal AP	3.6	9.7	19.3	39.1	52.5	61.6	65.9	65.4	62.9	38.5	36.4	8.6	38.6
McClusky	6.6	12.5	20.4	40.4	54.2	62.5	66.1	66.9	66.1	40.0	38.4	9.0	40.3
McHenry 3 W	0.3	8.7	17.5	38.3	51.4	61.6	65.7	65.4	63.6	38.6	36.6	7.2	37.9
Steele 3 N	4.6	11.3	19.2	39.8*	52.9	60.0*	64.2	64.9	64.6	37.8	36.9	8.1	38.7*
CENTRAL	2.3	9.7	18.1	38.6	52.0	61.2	65.1	65.1	63.8	38.4	36.7	7.8	38.2
Casselton Agronomy Frm	0.4	10.5	19.4	40.2	53.0	63.4	67.2	65.6	63.8	40.3	37.3	9.2	39.2
Cooperstown	-0.5*	7.3	18.6	39.3	51.2	62.1*	63.1	63.4	61.8	38.0	35.1	6.4	37.2*
Fargo Hector Intl AP	1.7	11.6	24.1	42.0	53.8	63.6	66.5	66.0	65.1	40.4	38.5	9.7	40.3
Mayville	-0.8	9.9	18.0	39.1	51.1	62.8	65.2	64.3	62.9	39.3	35.8	8.0	38.0
Valley City 3 NNW	-0.9	8.6	17.3	38.1	51.4	62.1	64.8	64.7	62.5	38.9	36.1	8.5	37.7
EAST CENTRAL	0.1	9.8	19.7	39.5	52.3	62.5	65.8	65.2	63.8	39.8	36.6	8.4	38.6
Bowman	15.7	18.6	23.5	38.1	52.7	59.3	65.9	65.0	63.0	36.5	36.8	9.2	40.4
Theodore Roosevelt AP	13.3	13.5	22.4	37.6	51.3	57.5	63.3	64.7	63.2	36.1	36.8	8.0	39.0
Hettinger Exp Station	14.6	18.5	22.6	38.2	52.2	58.9	63.7*	63.0	62.4	36.9	36.7	9.6	39.8*
New England	14.5*	15.6	24.5	38.8	53.8	59.7	65.0	64.7	63.7	37.1	36.8	8.9	40.3*
Richardton Abbey	12.3	15.5	24.2	40.2	53.9	61.7	65.9	66.5	65.0	38.1	39.1	9.5	41.0
Trotters 3 SSE	14.4	18.7	28.8	42.6	53.6	61.3	67.3	66.4	65.5	38.0	38.4	8.1	41.9
SOUTHWEST	13.4	16.7	24.5	39.4	52.9	59.7	65.1	65.0	63.4	37.0	37.2	8.7	40.3
Bismarck 5 NNW	8.2	14.4	19.9	40.5	52.8	61.0	65.9	65.0	63.7	38.3	37.9	10.3	39.8
Bismarck Municipal AP	8.7	13.6	21.6	41.2	54.3	61.5	67.0	66.8	65.0	39.5	38.1	10.6	40.7
Flasher	7.6	12.8	17.7	38.5	52.2	59.7	64.4	64.6	62.9	37.3	36.3	8.8	38.6
Heart Butte Dam	9.2	13.2	19.6	38.9	52.6	60.0	65.4	65.5	64.0	38.4	38.0	9.8	39.6
New Salem 5 NW	5.2	11.3	18.4	37.9	52.2	59.4	63.9	64.1	63.3	37.2	37.1	7.7	38.1
Pretty Rock	13.5	16.3	23.0	40.4	53.9	59.5	64.4	65.3	63.9	37.5	37.4	7.7	40.2
SOUTH CENTRAL	8.1	13.7	19.7	39.3	52.7	60.4	64.9	65.2	64.0	37.9	37.5	9.1	39.4
Ashley	6.2*	14.6*	21.4	40.7	53.5	61.6	66.6	65.8	62.9	38.8	38.0*	11.0	40.1*
Enderlin 2 W	4.9	11.8	22.3	41.9	55.3	63.7	66.5	66.2	63.4	40.5	38.6	10.0	40.4
Forman 5 SSE	2.0	11.7	21.5	41.1	54.9	63.2	66.4	66.1	63.6	40.2	38.0	10.4*	39.9*
Fullerton 1 ESE	8.1	15.8	25.2	42.5*	55.4	63.0	66.5	65.7	62.2	39.2	37.3	11.1	41.0*
McLeod 3 E	1.5*	11.8	20.8*	42.0*	54.3	63.7	67.0	66.0	64.1	40.5	38.4	10.1	40.0*
Napoleon	3.9	12.0	18.2*	38.4	52.8	60.8	65.3	65.1	63.5	37.8	37.0	8.9	38.6*
SOUTHEAST	4.0	12.5	20.9	40.3	54.0	62.2	65.9	65.3	62.5	39.2	37.0	10.0	39.5
STATE	4.1	10.8	19.3	39.0	51.8	61.0	64.8	64.8	63.6	38.3	36.4	7.5	38.4

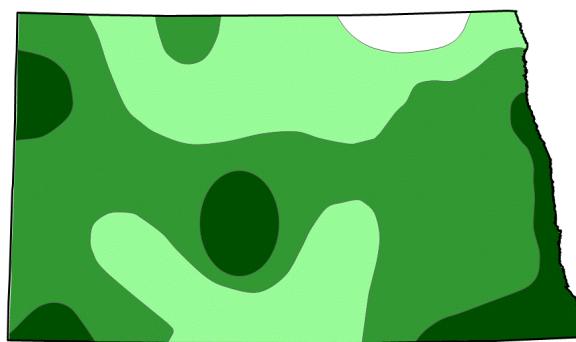
Source: National Climatic Data Center * = Partially estimated.

Growing Season Average**Usual Planting and Harvesting Dates: North Dakota**

Source: Usual Planting and Harvesting Dates for U.S. Field Crops, USDA/NASS, December 1997.

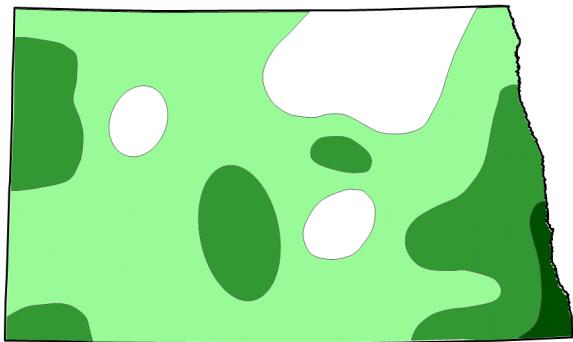
Growing Season Average

**Number of Days Above 32°F
Long Term Average¹**



Under 110 days	120-129 days
110-119 days	130 days and over

**Number of Days Above 28°F
Long Term Average¹**



Under 130 days	140-149 days
130-139 days	150 days and over

Length of Growing Season at Temperatures of 28°F and 32°F or above: North Dakota¹

Station	County	Average Date of Last Spring Frost		Average Date of First Frost in Fall		Average Number of Days in Growing Season		Number of Years in Average
		28°	32°	32°	28°	32°	28°	
NORTHWEST								
Crosby	Divide	Date	Date	Date	Date	Days	Days	Years
Minot Exp.	Ward	May 10	May 18	Sept 16	Sept 23	120	137	63
Mohall	Renville	May 12	May 20	Sept 17	Sept 26	119	137	69
Parshall	Mountrail	May 11	May 18	Sept 16	Sept 23	122	135	44
Powers Lake	Burke	May 15	May 21	Sept 12	Sept 18	114	126	59
Williston	Williams	May 15	May 23	Sept 11	Sept 23	111	133	41
		May 4	May 13	Sept 22	Sept 28	132	146	78
NORTH CENTRAL								
Bottineau	Bottineau	May 15	May 21	Sept 15	Sept 23	116	130	70
Granville	McHenry	May 13	May 19	Sept 15	Sept 25	119	134	65
Maddock	Benson	May 15	May 23	Sept 13	Sept 21	113	129	53
Towner	McHenry	May 14	May 21	Sept 12	Sept 21	114	129	54
NORTHEAST								
Grafton	Walsh	May 9	May 18	Sept 19	Sept 25	123	139	70
Grand Forks	Grand Forks	May 6	May 16	Sept 23	Sept 29	130	146	66
Hansboro	Towner	May 17	May 27	Sept 11	Sept 18	106	124	65
Langdon Exp.	Cavalier	May 17	May 28	Sept 13	Sept 21	109	126	69
Pembina	Pembina	May 12	May 21	Sept 17	Sept 25	119	135	70
WEST CENTRAL								
Dunn Center	Dunn	May 12	May 17	Sept 18	Sept 27	122	137	50
Garrison	McLean	May 8	May 18	Sept 19	Sept 25	124	139	62
Washburn	McLean	May 6	May 13	Sept 24	Oct 1	137	148	26
Watford City	McKenzie	May 7	May 13	Sept 19	Sept 27	127	141	34
CENTRAL								
Fessenden	Wells	May 8	May 17	Sept 18	Sept 26	123	140	40
Jamestown	Stutsman	May 5	May 15	Sept 20	Sept 29	128	146	73
McClusky	Sheridan	May 11	May 20	Sept 18	Sept 26	120	137	54
Pettibone	Kidder	May 13	May 22	Sept 12	Sept 17	111	124	46
EAST CENTRAL								
Amenia	Cass	May 6	May 15	Sept 23	Sept 28	130	144	73
Cooperstown	Griggs	May 11	May 21	Sept 19	Sept 26	121	138	49
Fargo	Cass	May 4	May 12	Sept 26	Oct 2	137	151	66
Mayville	Traill	May 8	May 17	Sept 24	Oct 2	129	147	57
SOUTHWEST								
Beach	Golden Valley	May 12	May 20	Sept 18	Sept 27	121	138	58
Bowman	Bowman	May 6	May 14	Sept 21	Sept 30	130	146	52
Dickinson Exp.	Stark	May 12	May 19	Sept 14	Sept 22	117	132	72
Hettinger	Adams	May 11	May 18	Sept 20	Sept 27	124	137	36
Marmarth	Slope	May 11	May 16	Sept 15	Sept 23	122	136	43
SOUTH CENTRAL								
Carson #2	Grant	May 11	May 19	Sept 15	Sept 24	119	135	59
Mandan Exp.	Morton	May 7	May 12	Sept 23	Sept 28	133	144	59
SOUTHEAST								
Edgeley Exp.	LaMoure	May 11	May 18	Sept 19	Sept 28	123	139	66
Lisbon	Ransom	May 10	May 19	Sept 20	Sept 27	123	139	64
McLeod	Ransom	May 9	May 15	Sept 22	Sept 29	129	143	62
Napoleon	Logan	May 14	May 21	Sept 16	Sept 23	118	132	72
Oakes	Dickey	May 5	May 13	Sept 23	Oct 1	133	149	46
Wahpeton	Richland	May 4	May 13	Sept 25	Oct 3	136	151	65

Source: National Climatic Data Center.

¹ Based on data for selected stations. Number of years used in average ranges by station from 26-78 years.

Average Precipitation: North Dakota, 1971-2000

Districts and Stations	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
	Inches												
Crosby	0.48	0.33	0.59	1.02	2.01	2.69	2.75	1.54	1.62	0.93	0.53	0.45	14.94
Fortuna 1 W	0.34	0.36	0.76	0.99	1.98	2.87	2.71	1.62	1.33	0.85	0.33	0.39	14.53
Kenmare 1 WSW	0.83	0.63	0.90	1.26	2.07	2.66	2.67	1.80	1.92	1.19	0.69	0.53	17.15
Minot Exp Station	0.77	0.60	1.03	1.56	2.28	3.01	2.52	2.01	1.78	1.40	1.05	0.64	18.65
Mohall	0.52	0.42	0.73	1.24	2.17	2.98	2.86	2.17	1.89	1.46	0.63	0.39	17.46
Powers Lake 1 N	0.38	0.37	0.72	1.27	2.12	2.74	2.90	1.94	1.71	1.07	0.55	0.33	16.10
Tioga 1 E	0.48	0.36	0.58	1.17	2.00	2.60	2.20	1.80	1.58	0.94	0.59	0.40	14.70
Wilderose 3 NW	0.42	0.35	0.60	1.00	2.04	2.56	2.83	1.56	1.48	0.83	0.53	0.45	14.65
Williston Exp Farm	0.48	0.34	0.62	1.13	2.09	2.72	2.45	1.63	1.56	0.94	0.58	0.45	14.99
NORTHWEST	0.52	0.45	0.75	1.25	2.12	2.89	2.64	1.80	1.69	1.09	0.63	0.47	16.30
Bottineau	0.49	0.46	0.79	1.22	2.16	3.29	3.04	2.62	1.94	1.27	0.66	0.51	18.45
Drake 9 NE	0.36	0.39	0.60	1.25	2.26	3.04	2.75	1.97	1.48	1.24	0.68	0.34	16.36
Leeds	0.55	0.51	0.83	1.28	2.08	2.98	3.17	2.07	1.61	1.53	0.84	0.48	17.93
Rolla 3 NW	0.51	0.52	0.76	1.13	2.30	3.41	2.87	2.55	1.95	1.25	0.80	0.53	18.58
Rugby	0.51	0.45	0.80	1.28	2.25	3.05	3.21	2.28	1.92	1.32	0.70	0.50	18.27
Upham 3 N	0.57	0.47	0.76	1.33	2.07	3.32	2.71	2.00	1.80	1.28	0.85	0.56	17.72
Velva 3 NE	0.68	0.50	0.78	1.34	2.30	3.22	2.80	1.83	1.62	1.61	0.92	0.50	18.10
Westhope	0.47	0.46	0.71	1.16	2.06	3.03	2.90	2.04	1.87	1.21	0.62	0.49	17.02
Willow City	0.52	0.42	0.78	1.18	1.99	3.10	2.85	2.34	1.72	1.20	0.63	0.44	17.17
NORTH CENTRAL	0.50	0.47	0.76	1.27	2.17	3.17	2.92	2.21	1.77	1.35	0.73	0.49	17.81
Cavalier 7 NW	0.39	0.41	0.66	1.10	2.19	3.17	3.31	2.63	1.78	1.54	0.68	0.39	18.25
Devils Lake KDLR	0.58	0.51	0.80	0.90	2.14	3.83	3.29	2.21	1.80	1.47	0.83	0.57	18.93
Edmore 1 NW	0.50	0.40	0.65	1.02	2.15	3.21	3.32	2.59	1.71	1.39	0.74	0.48	18.16
Grafton	0.52	0.50	0.85	1.13	2.31	3.30	2.77	2.39	1.76	1.46	0.90	0.43	18.32
Grand Forks Intl AP	0.68	0.58	0.89	1.23	2.21	3.03	3.06	2.72	1.96	1.70	0.99	0.55	19.60
Hansboro 4 NNE	0.64	0.63	0.85	1.12	2.39	3.19	2.87	2.59	1.62	1.22	0.81	0.57	18.50
Langdon Exp Farm	0.42	0.39	0.61	1.00	2.36	3.33	3.18	2.73	1.66	1.38	0.66	0.39	18.11
Pembina	0.44	0.40	0.72	0.99	2.09	3.41	2.95	2.68	2.12	1.48	0.85	0.45	18.58
Petersburg 2 N	0.66	0.43	0.94	1.17	2.27	3.62	3.25	2.71	2.06	1.54	0.90	0.51	20.06
NORTHEAST	0.57	0.47	0.80	1.12	2.24	3.34	3.09	2.64	1.88	1.49	0.85	0.50	18.99
Beulah 1 W	0.31	0.42	0.73	1.71	2.21	3.30	2.35	1.53	1.60	1.35	0.70	0.38	16.59
Center 4 SE	0.40	0.45	0.71	1.63	2.30	3.00	2.70	1.85	1.85	1.55	0.62	0.42	17.48
Dickinson Ranch HQ	0.37	0.35	0.61	1.50	2.03	3.18	2.30	1.79	1.40	1.06	0.58	0.33	15.50
Garrison 1 NNW	0.39	0.36	0.63	1.27	2.10	3.12	2.62	1.91	1.44	1.22	0.57	0.39	16.02
Keene 3 S	0.39	0.37	0.59	1.26	2.32	3.19	2.47	1.51	1.68	1.16	0.66	0.40	16.00
Max	0.55	0.43	0.74	1.48	2.16	3.21	2.69	1.84	1.72	1.41	0.63	0.44	17.30
Turtle Lake	0.63	0.49	0.85	1.44	2.19	3.32	2.67	1.96	1.50	1.32	0.73	0.52	17.62
Watford City	0.45	0.39	0.56	1.04	2.13	3.05	2.11	1.55	1.30	0.77	0.65	0.41	14.41
WEST CENTRAL	0.44	0.43	0.68	1.44	2.20	3.18	2.48	1.73	1.62	1.33	0.67	0.42	16.62
Carrington	0.68	0.56	0.91	1.36	2.11	3.32	3.15	2.19	1.60	1.45	0.89	0.51	18.73
Harvey	0.42	0.28	0.62	0.78	1.97	2.80	2.29	2.29	1.45	1.48	0.45	0.28	15.11
Jamestown Municipal AP	0.62	0.52	0.89	1.36	2.21	3.05	3.22	2.33	1.74	1.40	0.71	0.44	18.49
McClusky	0.58	0.49	0.71	1.49	2.13	3.41	2.61	2.06	1.61	1.39	0.71	0.49	17.68
Steele 3 N	0.48	0.44	0.98	1.51	2.53	3.24	2.95	2.01	1.90	1.55	0.74	0.44	18.77
Streeter 7 NW	0.31	0.34	0.68	1.26	1.96	3.04	3.09	2.38	1.97	1.10	0.69	0.27	17.09
CENTRAL	0.54	0.44	0.75	1.35	2.24	3.34	2.97	2.29	1.79	1.46	0.74	0.43	18.34
Casselton Agronomy Frm	0.75	0.51	1.23	1.43	2.67	3.60	3.24	2.68	2.13	1.89	1.03	0.37	21.53
Colgate	0.47	0.39	0.81	1.17	2.49	3.08	2.65	2.42	2.06	1.69	0.76	0.38	18.37
Cooperstown	0.67	0.53	1.01	1.31	2.56	3.30	3.33	2.78	1.96	1.65	0.90	0.50	20.50
Fargo Hector AP	0.76	0.59	1.17	1.37	2.61	3.51	2.88	2.52	2.18	1.97	1.06	0.57	21.19
Hillsboro 3 N	0.50	0.55	0.93	1.56	2.35	3.46	3.23	2.78	2.05	1.92	0.89	0.48	20.70
Sharon	0.68	0.54	1.12	1.33	2.65	3.55	3.45	2.67	2.05	1.67	0.97	0.55	21.23
Valley City 3 NNW	0.54	0.46	0.80	1.22	2.60	3.27	2.75	2.43	2.10	1.53	0.80	0.39	18.89
EAST CENTRAL	0.64	0.53	1.01	1.36	2.54	3.39	3.10	2.64	2.11	1.81	0.95	0.50	20.58
Amidon	0.37	0.35	0.57	1.15	2.29	3.06	2.24	1.42	1.37	1.17	0.53	0.33	14.85
Beach	0.43	0.47	0.62	1.56	2.41	2.63	1.93	1.41	1.53	1.20	0.70	0.37	15.26
Bowman	0.49	0.48	0.73	1.32	2.53	3.07	2.03	1.20	1.31	1.33	0.59	0.42	15.50
Dickinson Exp Station	0.35	0.37	0.67	1.63	2.24	3.57	2.20	1.65	1.62	1.31	0.63	0.37	16.61
Fairfield	0.31	0.33	0.56	1.41	2.04	2.95	2.10	1.62	1.50	1.16	0.50	0.31	14.79
Mott	0.41	0.50	0.80	1.83	2.59	3.17	2.13	1.69	1.26	1.24	0.55	0.38	16.55
New England	0.38	0.39	0.69	1.62	2.46	3.38	1.93	1.73	1.44	1.37	0.47	0.38	16.24
Richardton Abbey	0.45	0.48	0.86	1.75	2.49	3.39	2.27	1.88	1.60	1.41	0.75	0.45	17.78
Trotters 3 SSE	0.35	0.39	0.58	1.23	2.09	2.90	1.89	1.50	1.61	1.16	0.61	0.40	14.71
SOUTHWEST	0.39	0.41	0.68	1.51	2.35	3.11	2.12	1.54	1.47	1.27	0.60	0.38	15.83
Almont	0.37	0.33	0.63	1.49	2.22	3.41	2.48	2.28	1.24	1.17	0.62	0.40	16.64
Bismarck Municipal AP	0.45	0.51	0.85	1.46	2.22	2.59	2.58	2.15	1.61	1.28	0.70	0.44	16.84
Breien	0.35	0.38	0.66	1.60	2.49	2.92	2.69	1.77	1.48	1.32	0.52	0.35	16.53
Fort Yates 4 SW	0.24	0.30	0.66	1.34	2.16	2.64	2.06	1.62	1.28	1.26	0.35	0.23	14.14
Heart Butte Dam	0.51	0.32	0.87	1.70	2.34	2.91	2.31	1.45	1.16	0.99	0.77	0.42	15.75
Mandan Exp Station	0.38	0.37	0.58	1.52	2.41	2.91	2.90	2.02	1.56	1.41	0.62	0.36	17.04
New Salem 5 NW	0.47	0.49	0.81	1.88	2.42	3.17	2.76	2.11	1.53	1.38	0.76	0.50	18.28
Pretty Rock	0.33	0.41	0.86	1.89	2.64	3.02	2.34	1.76	1.40	1.34	0.62	0.31	16.92
SOUTH CENTRAL	0.37	0.40	0.75	1.62	2.37	3.02	2.63	1.96	1.48	1.34	0.62	0.37	16.93
Ashley	0.41	0.39	0.94	1.49	2.73	3.48	2.52	2.30	1.57	1.57	0.61	0.29	18.30
Forman 5 SSE	0.65	0.53	1.24	1.68	2.60	3.54	3.02	2.25	1.93	1.68	1.02	0.44	20.58
Fullerton 1 ESE	0.75	0.66	1.44	1.91	2.84	3.16	2.88	2.22	2.02	1.80	1.03	0.41	21.12
Gackle	0.44	0.38	0.94	1.49	2.61	3.37	3.06	2.03	1.89	1.48	0.77	0.35	18.81
LaMoure	0.78	0.64	1.36	1.85	2.67	3.69	3.42	2.30	1.90	1.78	0.91	0.45	21.75
Lisbon	0.63	0.48	1.09	1.47	2.59	3.45	2.87	2.27	2.20				

20 Temperature

Average Temperature: North Dakota, 1971-2000

Districts and Stations	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
	°F	°F	°F										
Crosby	8.1	16.2	28.1	43.3	56.1	64.6	69.2	67.8	56.5	44.2	25.8	12.9	41.1
Fortuna 1 W	5.6	13.6	25.0	40.2	53.1	62.2	67.1	65.8	53.8	41.3	23.7	11.1	38.5
Kenmare 1 WSW	6.7	14.2	25.2	40.4	53.4	62.4	67.0	65.4	54.3	42.1	25.1	12.2	39.0
Minot Exp Station	7.5	14.6	25.9	41.1	55.0	63.9	68.4	67.0	55.6	43.2	25.9	12.8	40.1
Mohall	5.9	13.0	24.3	39.4	53.0	61.9	66.3	65.2	53.8	41.7	24.9	11.5	38.4
Powers Lake 1 N	5.3	13.3	24.9	40.1	53.2	61.7	66.5	65.5	54.0	41.6	24.2	10.8	38.4
Tioga 1 E	6.9	15.1	26.3	40.8	53.4	62.4	67.4	66.5	54.5	42.4	24.9	12.1	39.4
Wildrose 3 NW	6.1	13.8	25.5	40.7	53.5	62.4	67.1	65.8	54.3	41.9	24.6	11.6	38.9
Williston Exp Farm	11.3	19.7	31.1	44.9	57.1	65.7	71.1	70.2	58.8	46.7	28.4	16.1	43.4
NORTHWEST	7.3	15.2	26.5	41.2	53.8	62.8	67.6	66.3	54.9	42.7	25.4	12.5	39.7
Bottineau	3.0	10.5	22.9	39.7	53.8	62.4	66.7	65.5	54.4	41.4	23.2	8.5	37.7
Drake 9 NE	5.0	12.5	24.5	41.0	55.4	64.1	68.6	67.0	56.3	43.0	24.4	10.6	39.4
Leeds	4.1	11.2	22.4	38.8	53.5	62.7	67.0	65.1	54.2	42.1	24.3	10.0	38.0
Rolla 3 NW	4.1	10.6	21.5	37.6	51.6	60.1	65.1	64.0	53.1	40.9	22.9	9.2	36.7
Rugby	5.6	13.5	25.5	42.2	56.0	64.5	68.7	67.4	56.0	43.6	24.8	10.5	39.9
Upham 3 N	3.3	11.4	23.8	40.8	54.8	63.3	67.4	66.0	54.5	41.4	23.7	9.3	38.3
Velva 3 NE	7.1	14.6	26.3	41.5	55.5	64.4	69.1	67.0	56.1	43.6	25.7	12.6	40.3
Westhope	4.7	12.8	25.2	42.2	55.9	64.0	67.9	66.9	56.2	43.4	24.6	10.0	39.5
Willow City	2.1	9.8	22.3	39.9	54.1	62.7	67.0	65.3	53.8	41.2	23.2	8.2	37.5
NORTH CENTRAL	4.7	12.4	24.3	40.5	54.1	62.9	67.3	65.9	54.7	42.2	24.3	10.1	38.6
Cavalier 7 NW	2.5	9.9	22.5	39.8	54.4	63.1	67.1	65.4	55.0	42.4	24.1	8.9	37.9
Devils Lake KDLR	6.1	13.8	25.5	42.1	56.2	64.8	69.4	67.7	57.1	44.3	25.8	11.5	40.4
Edmore 1 NW	0.7	8.1	21.6	39.3	53.7	62.2	66.5	65.2	54.5	41.3	21.9	6.9	36.8
Grafton	5.1	12.9	25.7	43.0	58.2	67.0	71.1	69.6	58.9	45.6	26.3	11.0	41.2
Grand Forks Intl AP	5.3	13.1	25.7	42.3	56.8	65.2	69.4	67.8	57.0	44.3	25.8	11.3	40.3
Hansboro 4 NNE	0.8	8.8	21.3	38.7	53.0	61.2	65.5	64.2	53.5	40.5	20.9	6.7	36.3
Langdon Exp Farm	0.4	7.6	20.2	37.8	52.6	61.5	65.4	64.2	53.5	40.2	21.5	6.6	36.0
Pembina	1.2	8.6	21.9	39.5	54.5	63.0	66.9	65.1	54.4	41.6	23.5	7.9	37.3
Petersburg 2 N	2.5	9.7	22.2	39.3	53.9	62.8	66.9	65.4	54.7	41.7	23.4	8.5	37.6
NORTHEAST	3.4	11.0	23.5	40.3	54.7	63.4	67.5	65.9	55.3	42.6	24.0	9.2	38.4
Beulah 1 W	11.0	18.9	30.0	43.7	56.1	64.5	69.8	69.3	57.8	45.8	28.2	15.8	42.6
Center 4 SE	10.5	17.0	27.7	41.1	54.0	63.0	68.3	67.0	56.1	44.3	27.1	15.4	41.0
Dickinson Ranch HQ	11.8	19.0	29.0	42.1	54.4	63.7	69.4	68.6	57.0	44.7	27.7	16.1	42.0
Garrison 1 NNW	7.5	14.8	26.6	41.5	54.6	63.2	68.2	67.4	56.2	43.4	26.5	13.6	40.3
Keene 3 S	10.8	18.6	29.6	43.5	55.5	64.1	69.4	69.2	57.9	45.6	27.6	15.4	42.3
Max	7.2	14.5	25.7	40.6	54.3	63.2	68.3	66.6	55.1	42.5	25.3	12.3	39.6
Turtle Lake	7.4	14.7	26.9	41.4	54.7	63.5	68.8	67.7	56.7	44.0	25.9	12.8	40.4
Watford City	8.2	17.0	27.6	41.3	53.9	63.0	68.6	67.5	55.2	43.1	26.1	14.0	40.5
WEST CENTRAL	9.8	17.3	28.2	42.1	54.7	63.6	68.9	67.8	56.4	43.9	26.9	14.6	41.2
Carrington	7.0	13.9	25.3	40.7	55.0	63.8	68.6	66.8	55.9	43.5	25.5	12.1	39.8
Harvey	9.3	17.1	28.7	44.4	58.0	66.0	70.8	69.7	59.3	46.7	27.7	14.8	42.7
Jamestown Municipal AP	8.7	15.9	27.9	42.9	56.7	65.4	70.7	69.0	57.9	45.2	27.1	13.8	41.8
McClusky	9.2	16.5	28.1	43.3	56.9	65.6	70.6	69.5	58.5	45.5	27.2	14.0	42.1
Steele 3 N	7.7	15.0	27.1	42.5	55.8	64.5	69.9	68.5	57.6	44.6	26.3	12.9	41.0
Streeter 7 NW	7.5	13.9	25.8	40.6	53.6	62.5	68.2	66.7	55.7	43.3	26.1	12.5	39.7
CENTRAL	7.0	14.4	26.4	41.6	55.3	64.1	69.0	67.3	56.5	43.8	25.6	12.3	40.3
Casselton Agronomy Frm	5.7	12.7	26.2	42.2	56.5	65.2	70.2	68.5	58.3	45.2	26.7	12.4	40.8
Colgate	3.6	10.8	24.1	41.3	55.9	64.4	69.1	68.0	57.0	43.3	24.1	9.7	39.3
Cooperstown	5.0	12.8	25.5	41.5	55.6	64.3	68.9	67.2	56.7	43.9	24.9	10.8	39.8
Fargo Hector AP	6.8	14.1	27.2	43.5	57.4	66.0	70.6	69.0	58.0	45.3	27.0	12.5	41.5
Hillsboro 3 N	5.7	12.8	25.5	42.3	56.9	65.4	70.1	68.5	57.4	44.6	26.3	12.2	40.6
Sharon	4.7	12.4	25.0	41.5	55.6	63.7	68.1	66.9	56.6	43.8	24.7	10.2	39.4
Valley City 3 NNW	5.7	12.9	25.5	41.0	55.1	63.8	68.5	66.6	56.1	43.7	26.0	11.9	39.7
EAST CENTRAL	5.5	13.1	25.8	41.9	56.0	64.6	69.2	67.5	56.8	44.1	25.6	11.4	40.1
Amidon	15.5	22.5	31.7	43.9	55.5	64.7	70.9	70.1	58.4	45.9	30.0	19.3	44.0
Beach	15.2	22.0	31.5	43.5	54.9	64.1	69.8	69.0	58.1	45.1	29.4	19.1	43.5
Bowman	14.6	20.9	29.9	41.9	53.6	63.1	69.4	68.3	56.6	44.2	28.5	18.1	42.4
Dickinson Exp Station	12.0	18.9	28.7	41.3	53.4	62.4	68.1	67.3	55.4	43.3	27.3	16.2	41.2
Fairfield	10.3	17.4	27.6	41.2	53.3	62.3	68.2	67.2	56.1	43.4	26.4	14.8	40.7
Mott	12.1	19.4	28.9	41.5	54.2	63.5	69.4	67.9	56.4	43.9	27.6	16.4	41.8
New England	14.2	21.2	30.4	42.8	54.9	64.0	69.5	68.5	57.1	44.9	28.5	18.0	42.8
Richardton Abbey	13.5	20.4	30.3	43.4	55.7	64.3	70.0	68.9	57.9	45.6	28.8	17.4	43.0
Trotters 3 SSE	13.5	20.7	30.7	43.3	54.7	63.5	69.3	68.5	56.9	44.8	28.2	17.2	42.6
SOUTHWEST	13.6	20.7	30.1	42.3	54.0	63.2	69.0	67.9	56.4	44.2	28.2	17.4	42.3
Almont	11.4	19.2	29.8	43.8	56.4	64.8	70.0	68.9	58.1	45.4	28.1	15.7	42.6
Bismarck Municipal AP	10.2	18.1	29.7	43.3	56.0	64.7	70.4	69.0	57.7	45.2	28.0	15.2	42.3
Breien	11.0	18.8	30.3	44.2	56.5	65.3	70.7	69.6	58.5	45.4	28.3	15.8	42.9
Fort Yates 4 SW	13.4	20.6	30.7	44.6	57.4	66.7	72.5	71.1	60.0	47.6	30.1	17.9	44.4
Heart Butte Dam	11.2	18.4	28.5	42.4	55.1	64.4	70.0	68.7	57.5	45.0	28.2	16.4	42.2
Mandan Exp Station	10.0	17.2	28.5	42.7	55.7	64.6	70.2	68.7	57.3	44.7	27.9	15.1	41.9
New Salem 5 NW	8.8	15.9	27.3	41.6	54.8	63.5	69.1	67.8	57.2	43.7	26.0	13.4	40.8
Pretty Rock	13.5	20.6	30.0	43.0	55.3	64.4	70.3	69.3	58.2	45.7	28.8	17.8	43.1
SOUTH CENTRAL	10.5	17.9	28.8	42.5	55.3	64.3	69.9	68.4	57.2	44.6	27.4	15.3	41.8
Ashley	9.6	16.8	28.5	43.4	56.5	65.5	71.2	69.3	58.3	45.2	27.4	14.6	42.2
Forman 5 SSE	7.8	15.1	27.7	43.5	57.0	65.8	71.0	69.3	58.3	45.4	27.9	13.9	41.9
Fullerton 1 ESE	9.6	17.0	29.1	44.4	57.5	66.0	71.2	69.4	59.1	46.2	27.9	14.5	42.7
Gackle	8.9	15.9	27.4	43.0	56.5	65.4	70.7	69.2	58.4	45.6	27.1	13.8	41.8
LaMoure	7.1	14.6	27.1	42.4	55.8	64.8	69.9	67.6	56.8	44.1	26.6	13.2	40.8
Lisbon	6.9	13.8	26.4	42.1	55.9	65.3	70.5	68.6	57.1	44.4	27.1	13.3	41.0
Napoleon	8.3	15.1	27.0	41.9	54.8	63.9	69.5	68.2	57.0	44.3	26.7	13.5	40.9
Wahpeton 3 N	8.7	16.0	28.8	45.3	59.3	67.8	72.2	70.3	60.0	47.3	28.9	14.6	43.3
SOUTHEAST	8.4	15.7	27.9	43.0	56.1	65.1	70.3	68.3	57.5	44.8	27.2	13.9	41.5
STATE	7.8	15.3	26.8	41.7	54.9	63.8	68.7	67.3	56.2	43.7	26.1</		